[Issued with Army Orders dated 1st April, 1916.

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# FIELD SERVICE MANUAL

40 W.O. 2887 1916.

HEAVY ARTILLERY (B.L. 60-PR.) BATTERY

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                                                                                                            The Qucen's (Royal West Surrey
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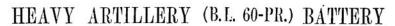
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# FIELD SERVICE MANU

1916.

40 W.O.



AND

# AMMUNITION COLUMN. (EXPEDITIONARY FORCE.)

Note.-Field Service Manuals are not the authority for the supply of war outfit of units. The details laid down in latest Mobilization Store Tables, Equipment Regulations, Clothing Regulations, &c., will be followed.

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1916.

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### Section 1.-GENERAL NOTES.

- 1. The tables contained in this Manual are drawn up on the Basis of basis of a campaign in a civilized country, and in a temperate establishclimate. When mobilization takes place under different conditions, ment. certain modifications will become necessary, and will be notified from the War Office.
- 2. The normal war establishment of a heavy artillery battery and War ammunition column, showing its composition as regards personnel establishand animals, is given in Section 2, and no men or horses in excess ment. of the "total heavy battery and ammunition column" will be allowed to accompany the unit in the field.
- 3. The transport of the unit is shown after its war establishment. Transport. The transport is divided in the field as follows:—

1st line (which always accompanies the unit on the march); 1st line. gun carriages, vehicles with ammunition and technical stores, spare animals.

Train (which marches as directed in orders); water cart and Train. G.S. Wagons with baggage, stores and supplies.

The G.S. wagons with the unit are numbered consecutively and Allotment allotted as follows:—

```
Battery ...Nos. 1 and 2...for technical stores...1st line transport.

No. 3 ...baggage and stores
No. 4 ...supplies ...
No. 5 ...cooks ...

Ammunition
column ...Nos. 6 to 9 ...ammunition ...
No. 10 ...technical stores
No. 11 ...baggage, stores and
supplies ... train ,,
```

The personnel for train transport is provided by the Army A.S.C. Service Corps; these men join the unit on mobilization drivers. fully armed and equipped. Spare drivers for train transport are included in the war establishment of the Army Service Corps company from which the train transport drivers are detached.

Spare draught horses are allowed at the rate of 10 per cent. A Spare special scale of heavy draught horses is allowed. A driver is horses. allowed for each pair of spare horses.

(в 11758)

Veterinary 4. Veterinary arrangements will be made by the Director of arrangements. Veterinary Services attached to the headquarters of the division.

Medical arrangements. 5. Medical arrangements will be made by the Assistant Director of Medical Services of the division.

Sanitation. Two they a

Two men are trained in sanitary duties. On arrival in camp they are available for sanitary duties and are placed under the orders of the medical officer for camp sanitation purposes. Two men are also attached for water duties. At all other times they take their places in the ranks.

Bâtmen.

6. Bâtmen in the field are allowed at the rate of one for each officer with one horse, and two for each officer with two or three horses. All bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.

Reinforce-

7. Drafts to replace wastage are calculated for heavy artillery at the rate of 60 per cent. during the first year of a war. The first portion of these drafts mobilizes with the unit unless otherwise ordered, and proceeds with it as far as the oversea base; this portion is known as "first reinforcement," and is calculated at 10 per cent. of rank and file.

War outfit. 8. War outfit is the material of all kinds which a unit requires for war. The method of carrying it is laid down in Sections 4-7.

Equip-

(a) The equipment required on mobilization is laid down in the mobilization store table for a heavy artillery battery and ammunition column.

Clothing.

(b) The clothing and necessaries required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.

Supplies, Medical and Veterinary Stores. (c) Details of the scale of supplies will be found in War Establishments and Allowance Regulations; medical and veterinary stores in Regulations for Army Medical and Veterinary Services respectively.

Stationery.

(d) The stationery considered necessary for a heavy artillery battery and ammunition column in the field is shown in "Tables of Books, Army Forms and Stationery required on Mobilization by Units of the Field Army," issued with Army Orders. A list of contents is pasted inside the lid of the stationery box.

	ts for personnel are not included in the normal scale of Blankets.
war outfit;	but, when specially ordered, one blanket per man will
be carried.	The methods of carrying blankets is for :

Officers ... ... In valise.

Mounted non-commissioned officers Under saddle, in addition and men ... ... ... ... to saddle blanket.

When blankets (bedding) are carried on ammunition wagons and limbers, one waterproof sheet per seat (from the ordinary camp equipment of the unit) will be used to protect the blankets from wet.

10. General requisites, such as spare parts and materials for Replenish-repairs, are calculated on the assumption that it will be possible to stores. replenish them at intervals of about a fortnight.

11. The arrangements for bringing the unit up to war estab-Mobilizalishment in men and horses, and for the completion of its war tion. outfit are laid down in Mobilization Regulations.

12. Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

Note:—This manual is based on War Establishments for New Armies, 1915, and on A.F. G 1098-109, dated November, 1915.

. 6

A HEAVY ARTILLERY BATTERY AND AMMUNITION COLUMN.

(Four 60-pr. B.L. Guns.)

WAR ESTABLISHMENT.

	Remarks.	For transport see page 9.	<ul><li>(a) 2 men are trained in sanitary duties.</li><li>(b) Includes 2 spare.</li></ul>
	Total.	113 2 47	160 1è2
Horses.	Heavy draught.	88 : 4	130 130(c)
H°	Draught.	63 : :	69 69
	Riding.	6 81 85	30(b)
	.IntoT	162 2 41	203
nel.	Rank and file.	141 1 35	176
Personnel.	Artificers.	∞ :4	12 12
Ã	Staff-serjeants and serjeants.	11	8 6
	Warrant officers.	٠::	
	Officers.	٦: ٦	9 9
8	Detail.	Battery (excluding attached) (attached) Ammunition column	Total battery and ammunition column (excluding attached) (a)  Total battery and ammunition column (including attached)

COMPOSITION IN DETAIL.

(i) Personnel and Horses.

Major	Battery.	ry.				-									*S
The state of	:	:	:	:	-	:	:	:	:	1	61	:	:	63	(c) Includes 12 spare
Captain	:	:	:	:	_	:	:	:	:	-	-	:	:	7	with battery and 8
Subalterns	::		:	:	m	:	:	:	:	œ	က	:	:	က	with ammunition
Battery serjeant-major	jeant-n		:	:	:	7	:	:	;	7	7	:	:	Т	column.
Buttery quartermaster-serjeant	arterms	ster-se		:	:	-	7	:	;	П	-	:		-	
Serjeants	:	:	. :	-	-:	-	9	;	:	9	4	:		4	(d) Attached to A.G.'s
Farrier-serjeant	jeant	:	:	:	-	:	:	7	:	г	-	:		1	office at the base.
Shoeing-smiths	iths	:	· :	-	-	:	:	61	:	67	i	:	:	:	
Baddlers	*	:	:	:	:	:	:	Ø	:	63	:	:	:	:	(e) For observation
Wheeler	;	:	:	:	:	:	:	-	:	7	:	:	:	:	8.0
Fitter (staff-serjeant	f-serjea	nt)	:	:	:	:	:	Н	:	7	;	:	:	:	
Smith	;	:	:	:	:	:	:	-	:	7	:	:	:	:	
Clerk(d)	:	:	:	:	:	:	:	:	1	7	:	:	:	:	(f) Includes 21 N.C.Os.
Corporals	:	:	:	:	:	:	:	:	9	9	_				and gunners trained
Bombardiers	18	:	:	:	:	:	:	:	616	9	₹10(e)	:	:	10	as t
Gunners	:	:	:	:	:	:	;	:	74 50 7	74					_
Gunnang ag		for vehicles	•	:	:	:	:	:	38	38	:	2	7.4	94	trained in the use of
drivers		for spare horses	orses	-	:	;	:	:	7	7	61	:	12	14	_
	_	6	:	:	:	:	:	:	7	4	:	:	;	:	
Bâtmen (g)		:	:	:	:	:	;	:	9	9	´:	:	;	:	I bâtmen
Total	Total battery	•	:	<u>'</u>	10	-	1	o	141	162	25	23	86	113	trained soldiers, and
Attached-	4						,			•	,			,	are available for duty in the ranks.
Interpreter	4 4 4 2.						7	:	:,	٦-	~ -	:	:	٦,	,
Drivers, A.S.C. (traintransport)	A.S.C.	(traint	ranspor		::	: :	: :	: :	- c/s	100	٦ :	: :	: 4	4	
Total Bati	tery	(inclu	ding a	ا بد	10	-	00	00	142	164	122	67	98	115	

A Heavy Artillery Battery and Ammunition Column-continued.

COMPOSITION IN DETAIL—continued.
(i) Personnel and Horses—continued.

				Ь	Personnel.	.el.			Ho	Horses.		
Detail,	M SES	Officers.	Warrant officers.	Staff-serjeants. and serjeants.	Artificers.	Rank and file.	Total.	Riding.	Draught.	Heavy draught.	Total.	Remarks.
Ammunition Column.	uma.										,	;
Subaltern	:	-	•	:	:	:	7	-	:	:	-i,	(4) Four of these should
	:	:	:	7	:	:	1	7	:	:	1	be telephonists and
Shoeing-smith	:	:	:	:	-	:	٦,	:	:	:	:	e and trai
Saddler	::	:	:	:	-	:	Τ,	:	:	:	:	in the use of the
Wheeler	::	:	:	:	-	:	-	:	:	:	:	buzzer.
Smith (fitter)	:	:	:	:	_	: '		: '	:	:	:	
Corporal	::	:	:	:	:			-:	:	;	7	1500)
Bombardier	:	:	:	:	:			(v) \	:	:	:	84
Gunners	:	:	:	:	:	20	20 (	::	:	:	:	
_	for vehicles	:	:	:	:	18	18	:	:	36	36	bâtmen
Gunners us	for spare horses	:	:	:	:	4	4	:	:	œ	00	fully armed and
urivers spare	:	:	:	:	:	67	23	:	:	:	:	trained soldiers, and
Bâtmen $(f)$	:	:	:	:	:	7	1	:	:	:	:	are available for duty
Driver, A.S.C. (train transport)	.ansport)	:	:	:	:	I	1	;	:	cs.	20	in the ranks.
Total ammunition column	column	-	:	-	4	35	41	8	:	4	47	
		_	_		-				_	_		

Nores .- The above establishment includes 12 acting bombardiers 10 with battery and 2 with ammunition column).

9

A Heavy Artillery Battery and Ammunition Column-continued.

(ii) Transport.

	.s. Kemarks.	Klaing.		(a) Aronaea by the Almy.
	Horses.	Heavy draught.	8::852223:	9   2
Total.		Draught.		: ?
		Drivers.	5 : 12 x 3 - 11 5 ·	!
		Vehicles.	44453464 : : 6	3
mu.	l s	Ridding.		
colu	Horses.	Heavy draught,	111224101 0	1 7
tion	-	Draught.		1117
Vehicles.  Drivers.  Drivers.  Drivers.  Heavy draught.  Riding.		Drivers.	x x x x   + x x = 2	a
An		${f V}$ ehieles.	111777111	5
	· · ·	Riding.		21
	Horses.	Невуу дгвиght,	: :: : : : : : : : : : : : : : : : : :	298
Battery.	m	Draught.	1 10 111111	61
Bat		Drivers.	8 1 1 2 1 4 2 2 3 3 4 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	64
		Vehicles.	4~~ (3~ !! 3	1 12
7.4411	Detail,		Carringes, gun, with limbers  Bloyele, for intercommunication (i) Cart, water ammunition, with limbers Gammunition  Gammunition  Gammunition  For example  Frain  Train  Train	Total

Section 3.—A.—DISTRIBUTION OF A 60-PR. B.L. HEAVY BATTERY BY SECTIONS AND SUB-SECTIONS.

	No. 1 Se	ction.	No. 2	2 Section.	
	A Sub-Sec.	B Sub-Sec.	C Sub-Sec.	D Sub-Sec.	
Detail.	1 gun 8 horses. 2 amm. wagons 8 ,,, 1 G.S. technical wagon 4 ,,, 1 water cart 2 ,,	1 gun 8 horses. 2 ammn. wagons 8 ,, 1 G.S. wagon, train transport 2 horses.	1 gun 8 horses. 2 amm. wagons 8 ,, 1 G.S. technical wagon 4 ,,	1 gun S. Borses. 2 amm. wagons 8 1 G.S. wagon, 1 G.S. wagon, 1 G.S. wogon, train tranport 2 horses.	Remarks.
Major Subalterns		 1*	 "i•	<sub>1*</sub>	*Each with
Battery serjeant-major Battery quartermaster-	1*				horse.
serjeant Serjeants Farrier-serjeant	1*	2‡ 1*	2‡	1*	†With 2 riding horses.
Shoeing smiths Saddlers Wheelers	:::	ï	ï	1	1 only mounted.
Fitter (staff-serjeant) Smith Corporals	2	1 1	i	 2	§Each with 2 horses.
Gunners for vehicles	. 20	18 8	18 10	1 18 9	
drivers, for spare horses spare	1 1	2§	1§	2§	
Bâtmen Drivers, A.S.C., train transport		1 1	1	1	
	46	39	38	39	
	3 offic 82 othe		75 o	officers, ther ranks	

<sup>§</sup> There are 2 spare riding horses per battery, one with spare set of Saddlery, universal, see note †, page 6, of A.F. G. 1098—109, dated Nov., 1915, and there are 12 spare heavy draught horses, six of which are fully equipped; for all the other spare horses leading gear is provided.

Section 3.—B—DISTRIBUTION OF A 60-PR. B.L. AMMUNITION COLUMN.

8.	No. 1 S	ection.	
	E Sub-Sec.	F Sub-Sec.	8 **
Details.	16 horses.	16 horses.	Remarks.
	Ammunition agons with mber G.S. wagon or technical cores	wagons ammuni- wagon transport	
. *	vagors limber 1 G.S. for te	for print train the	
Subaltern Serjeant Shoeing smith Saddler	1*  1	i* 	* Each with one riding horse.
Wheeler Smith (fitter) Corporal Smobardier Gunner	 1* 	1 1  1	8
Gunners as for vehicles for spare horses spare	10 2† 1 1	8 2† 1	† With two horses each (spare heavy draught) 50 per
Bâtmen		 1	cent, are fully equipped, the others are pro- vided with leading
	1 officer, 40 o	ther ranks.	gear only.

# Section 4.—FIELD KITS.

# A.—OFFICERS.

Detail.	No.	Appr ma weig	ite	Remarks.
		lbs.	ozs.	
A.—CLOTHING WORN BY THE				
Officers.	1 1			
Roots, field pair	1	4	2	
Braces ,,	1	0	4	
Cap, service dress, with badge	1	0	9	
Disc, identity, with cord	1	0	01	
Socks pair	1	0	4	0 <b>.</b> €2
Suit, service dress, jacket, and	- 1			
riding breeches	1	4	13	
Spurs pair	1	0	12	
Underclothing suit	1		-0	
Total (A)		13	121	
B.—Other Personal Effects.		100		
Books, A.B. 155 Pield Service Pocket	1	1	0	
Book Cap, comforter (in pocket of	1	0	61/2	
greatcoat)	1	0	31	,я
prismatic, in case)	1	0	4	
Dressing, field (in skirt of				
jacket)	1	0	2	
Glasses (binoculars or tele-				#01 # * * * *
scopes, or both, in one case)*	1	2	0	*Slung from left
Grease (or vaseline), in wal- lets tin	1	0	2	shoulder or attached
Cuntannt	1	7	11	to belt at right side. †Rolled, 26 inches
Handkerchief	i	ó	2	long, behind saddle.
Holdall (in wallets), containing knife, fork and spoon, hair- brush and comb, tooth-				iong, bening saddle.
brush, shaving brush and	1	1	3	
FRZOF	1	1	0	

13
A.—Officers—continued.

D	etail.	_	No.	Appr ma weig	ite	Remarks.
		-		lbs.	ozs.	
B.—OTHER PI	ersonal ntinued.					i
Knife, clasp, swivel Map Matches Soap (in wall Socks (in wall Towel (in wall Watch (in wr Whistle and I	its) ets) lets) ist strap	box piece pairs	1 1 1	0 0 0 0 0 0	6 2 1 3 4 13 4 21	
Total	(B)			14	12	
Bar, ration, M. Belt, "Sam E belt, 2 s ammunitio	renn.) Iark. II Browne" houlder	(walst-	1	0	4	
case, and sw			1	2	0	
Haversack			1	0	11	
Mess-tin	***		1 1	1	9	
Sword knot			1	0	1 1	
Waterbottle	(alumini	ium) and	- 1	20.0		1
sling			1	C	14	
Total	(c)			5	71	
D	-ARMS.					
Pistol (no spe must carry munition)	governm	tern, but ent am-	1	2	3	On left side of S.B.
		- 1	1	2	11	On near shoe case,
Sword Scabbard, lea			1	0	1½ 9½	edge to rear.
Total	(n)			4	14	,
E <b>A</b> M	MUNITIO	N				
Cartridges, S Webley	.A., ball	, pistol, rounds	12	0	91	

## A.—Officers—continued.

Detail.	No.	Appr ma weig	te	Remarks.
		lbs.	ozs.	*****
F.—RATIONS AND WATER.  Bread ration (unconsumed			10	* One iron ration will be carried normally in the haversack.
portion) say		0	12	If a second iron ration
Cheese		0	3	is ordered to be car-
Biscuit		1	0	ried, it will be dis-
Preserved meat (1 lb. nominal) Tea $\frac{5}{8}$ oz. Sugar 2 oz. In a tin		1	0	tributed in the officer's equipment as found most con-
Sugar 2 oz. Meat extract 2 cubes		0	5	venient. † In addition to this list, officers may, at
Water pints	21		13	their own discretion provide a despatch
Total (F)		6	1	or saddle bag, scaled pattern. If
†G.—SADDLERY, PICKETING GEAR, STABLE NECESSARIES, &c.				an officer is allowed more than one horse, the saddlebag can
TRAE, nose, G.S., with 6 lbs. corn	1	7	0	be carried on the
Brush, horse	1	0	10	spare horse.
Pad, surcingle	1	0	10	I When empty, on
Rubber, horse		0	10	the off shoe case
Saddlery, complete, with bridle and head rope set	1	33	12	fastened to the bag- gage strap. When
Shoe cases, each with shoe		50	1 1	oats are carried the
and nails	2	3	4	strap of the nosebag must be fastened to
Total (G)		45	14	the back arch of the
TOTAL WEIGHT CARRIED ON THE HORSE.				Excludes weight of saddle blanket. Sad
A.—Clothing		13	121	dle blankets for
B.—Other personal effects	A CONTRACTOR OF	14	12	officers' horses are
C.—Accoutrements		5	71	carried in transport
D.—Arms		4	14	vehicles on the
E.—Ammunition		0	94	march.
F.—Rations and water		6	1	
G Saddlery, picketing gear,	1			
stable necessaries, &c		45	14	
H.—Rider say		150	0	
Total on horse		241	61/2	Say 17½ st.

## A .- Officers-continued.

## CARRIED IN TRAIN TRANSPORT.

The following list is drawn up as a general guide, and the articles in it may be varied, but the total weights (excluding articles in camp kettles) of 50 lbs. for the commanding officer and 35 lbs. for other officers, must not be exceeded.

Detail.	No.	Appr ma weig	ite	Remarks.
		lbs.	ozs.	0
A.F. B. 122 (cover and pad).  Field conduct book	1	0	11	Buttery commander
A.B. 6 (cover A.F. N 1513 pad). Acquittance roll	1	0	15	only.
Boots, field pair	1	4	2	
Bucket, canvas	1	1	4	0
Housewife	1	0	4	One camp kettle is allowed for every a officers, who pack into
Inntern, collapsible, with tale sides	1	0	12	it, each :— Cup, enamelled
Portfolio, with writing materials	1	1	0	Plates, enamelled
Shoes, canvas pair	1	1	5	[ sait
Socks "	1	0	4	The weight of these articles is not included
Sult, service dress	1	4	13	in the 50 or 35 lbs. al lowed to each officer.
Towels	2	1	10	If preferred, officer
Underclothing suit	1	3	0	may take private cook ing apparatus in lies of camp kettles. In
Valise, Wolseley (or other pattern)	1	11	3	of camp kettles. In this case an extra bag gage allowance of 6 lbs per officer will b admitted.
Total		31	3	admitted.

B .- N.C.Os. AND MEN WHEN MOUNTED.

Detail.		Approxi- mate weight.		Remarks.
		lbs.	ozs.	
A.—CLOTHING, NECESSARIES, &C., WORN BY THE SOLDIER OR CARRIED ON THE HORSE.				
Boots, ankle pair	1	4	0	
Braces ,	î	0	41	
Cap, service dress, with badge	ī	Ö	9	
Disc, identity, with cord	î	0	01	
Drawers, cotton pair Dressing, field (in skirt of	î	0	15	
service dress jacket) Greatcont with metal titles (7 lbs. 83 ozs.); comforter	1	0	21/2	
cap (4 ozs.) and pair of socks (44 ozs.) in pockets	1	8	1	<b>4</b> / 10
Jacket, service dress,* with metal titles Knife, clasp, with marline	1	2	5}	* Troops wearing khaki drill sent on active service from
Knife, clasp, with marline spike, tin opener and lanyard Pay-book (in right breast	1	0	. 8	a warm to a tem-
pocket of service dress jacket)	1	0	2	be supplied with
	1	2	300	service dress
Therefore	i	l õ	0.1	jackets as soon as
	1	li	C	available.
Socks, worsted pair		l û		
Course inok	1	0		1
Waistcoat, cardigant "	. 1	1 1	4	† In warm weather
In haversack :-	1 -		1	the cardigan may
Holdall (34 ozs.) containing		1	j i	be carried in the
laces (4 oz.), tooth-brush				folds of the great
(2 oz.), razer and case	:	1		cont.
(3 oz.), shaving - brush		1	1	
14 oz.), comb (½ oz.)		1	1	1
knife (3 ozs.), fork (3 ozs.)		1	1	1
spoon $(2\frac{1}{2} \text{ ozs.})$		1 1		
Housewife, fitted	1	1 1	. 10 0.00	
Soap piece	1 1	1		+117
Towel, hand	1		9	#Warrant officers staff-serjeants and serjeants have each
Total (A)		2	7   3	an artiller

B .- N.C.Os. and men when mounted-continued.

Detail.		Approxi- mate weight.		Remarks.	
		lbs.	ozs.		
B.—Arms.§				§Rines of drivers will be carried in the clips provided on	
Total (B)		<b>.</b>		the wagon for that purpose. On vehi-	
990				cles not specially	
C.—Ammunition.				fitted the rifles will be carried on wagon footboards. The	
Cartridges, S.A., ball, 303- inch rounds	50	3	0	scale of rifles is as follows:— Each battery 36	
D.—Accoutrements.  Bag, ration  Bandoller, 50 rounds  Bottle, water, enamelled, with	1	0	4 8	Ammunition column 33 6 Rifle buckets are issued to each battery.	
carrier and shoulder-strap	1	1	6		
Haversack	1	1	6		
Mess-tin and strap					
Total (D)		5	11		
*	- !				
E.—RATIONS AND WATER.	-				
Bread ration (unconsumed			19	* One iron ration will	
portion) say	•••	0	12	be carried, nor-	
Cheese		1	0	mally, in the haver-	
. /* 17				sack.	
o o nominal)		1	0	If a second iron ration is ordered to	
#   Nugar, 2 02	In a	0	5	be carried, it will be distributed in	
Water pints	2	2	8	the man's equip- ment as found most	
Total (E)		5	12	convenient.	

B.-N.C.Os. and Men when mounted-continued.

Detail.		Approma weig	te	Remarks.	
5		lbs.	ozs.	2.	
F.—SADDLERY HORSE FURNITURE, STABLE NECESSARIES, AND OTHER ARTICLES CARRIED ON THE HORSE.  Bag, nose, G.S., with 6 lbs. corn	1 1 1 1	7 0 0 0 29	0 10 10 10 4	† In the case of drivers substitute "harness, near, with saddle- blanket and head- rope," weight 73	
TOTAL WEIGHT CARRIED ON THE HORSE.				lbs.	
A.—Clothing, necessaries, &c		26	33		
B.—Arms					
C,-Ammunition		3	0	*	
D.—Accoutrements		5	11		
E.—Rations and water		5	12		
F.—Saddlery, &c		38	2		
G.—Rider (say)		150	,0		
Total on horse		228	123	$=16\frac{1}{2}$ st. about.	

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# B.-DISMOUNTED MEN.

Detail.		Approxi- mate weight.		Remarks.
		lbs.	ozs.	
A.—Clothing, Necessaries, &c., Worn by the Soldier.				
Boots, ankle pair	1	4	0	
Ryanas	ī	0	41	
Cap, service dress, with badge	ī	ŏ	9	1
Disc, identity, with cord	i	ŏ	01	.[
	i	ŏ	15	1
	1 - 1	U	10	ì
Dressing, field (in skirt of	1	0	21	(
service dress jacket)	1	U	43	ĺ
Greatcoat, with metal titles				
(7 lbs. 83 ozs.); comforter				Í
cap (4 ozs.) and pair of socks	- 1			
41 ozs.) in pockets	1	8	1	
Jacket, service dress,* with	1 a 1			* Troops wearing
metal titles	1	2	51	khaki drill sent on
Knife, clasp, with marline spike,			35	active service from
tin opener and lanyard	1	0	8	a warm to a
Pay-book (in right breast			-	temperate climate
pocket of service dress jacket)	1	0	2	will be supplied
Pantaloons pair	1	2	121	with service dress
Puttees "	1	0	13	jackets as soon as
Shirt, flannel	1	1	2	available.
Socks, worsted pair	1 1	0	41	
Walstcoat, cardigant	1	1	7	† In warm weather
In Haversack :-	-	- 1		the cardigan may
Holdall (31 ozs.) containing	- 1	- 1		be carried in the
laces (4 oz.), tooth-brush		- 1	- 1	folds of the great-
		- 1	- 1	coat.
(½ oz.), razor and case	- 1	ŀ	1	
(3 ozs.), shaving-brush	- 1	- 12	- 1	
(14 oz.) comb (½ oz.), knife	- 1			
(3 ozs.), fork (3 ozs.),	. [	7	7.2	
spoon (2) ozs.)	1	1	14	
Housewife, fitted	1	0	31	
Soap piece	1	0	3	I Warrant officers,
Towel, hand	1	0	9	stuff-serjeants and
Total (A)		25	63	serjeants have each an artillery whistle and
BArms. §	Ì	1	1	thong.
	1	1	1	mong.
lifie, with oll-bottle, pull-	- 1	0	153	§ For scale of rifles,
through and sling	1	8	107	o PUT SCHIE OF TIMES.

B.—Dismounted Men-continued.

Detail.	No.	Appr ma weig	te	Remarks.
		lbs.	ozs.	
C.—Ammunition.  Cartridges, S.A., ball, '303-inch rounds	50	3	0	
DACCOUTREMENTS.  Bag, ration  Bandelier, 50 rounds	1	0 1	4 8	
Bottle, water, enamelled, with carrier and shoulder-strap Haversack Mess-tin and strap	1,1	1 1 1	6 3 6	×
Total (D)		5	11	
E.—RATIONS AND WATER.				
Bread ration (unconsumed portion) say Cheese Biscuit Preserved meat (1 lb.		0 0 1	12 3 0	One iron ration will
Tea, § oz Sugar, 2 ozs	In a	0	0	be carried normally, in the haversack. If a second iron ra-
Water pints	tin 2	2	8	tion is ordered to be carried, it will be distributed in
Total (E)		5	12	the man's equip- ment as found most
TOTAL WEIGHT CARRIED.		İ		convenient.
A.—Clothing, necessaries, &c B.—Arms C.—Ammunition D.—Accoutrements E.—Rations and water		25 8 3 5 5	63 153 0 11• 12	
Total		48	131	

*Articles.	No.	Approximate weight of each.	imate nt of h.	By whom carried.	Remarks.
	oattery.	lbs.	ozs.		
Mugles, with strings	24 23		9	brace Trumpeters.	
Signalling equipment.	:	:	÷	See page 64.	
Finang and interest taying stores.  Binoculars, prismatic, in cases pairs	12	7	14	Staff-serjeants, Nos. 1, range-	
Bucket, stand, Mark IV telemeter	4	:	:	takers, signallers and patrol.	
Directors, No. 4	61 S	40	8 2		
th c	l <del>4</del>	22	0	As convenient.	
Stands (in case)	61	14	œ		
telescope, signalling telemeter, artillery, Mk. IV	H 4	ים ים	4 x	In bucket on horse	
Telemeters, artillery, Mark IV	01	72	0	Rangetakers.	g.
Telescopes ( cases)	23	12	œ	As convenient.	
Posts, aiming, diamond head (d)	- 8	es	63 5	Look-out man.	
	c	′ -			
Wallets, veterinary 17 3 Awariare	7	- 1-	# 00	As convenient.	

#### D .- Notes on the Method of Carrying Certain Articles.

### (i) PERSONAL EQUIPMENT.

### A. Officers.

Sword knots will hang freely from the hilt to which they will be secured by passing the strap through the slot from the outside and from below, bringing the acorn through the loop and hauling tant.

Whistles will be worn in the left breast pocket with lanyard attached to the second button of the coat.

Haversacks will be worn over the left shoulder, the sling over the supporting strap of the Sam Browne equipment.

Water-bottles will be worn over the right shoulder, the strap over the sling of the haversack and supporting strap of the Sam Browne equipment, chain to the rear, the bottle under the left arm, the bottom to be as nearly as possible in line with the left elbow.

Field glasses will be carried on the belt on the right hand side.

Revolvers and ammunition pouches will be carried on the left hand side of the belt.

Lanyards of clasp knives will be worn round the top of the left arm under the shoulder strap, the knife in the left breast pocket of the coat.

### B. Non-commissioned Officers and Men.

Whistles will be worn in the left breast pocket, with the leather thong attached to the second button of the coat.

Haversacks will be worn over the left shoulder.

Water-bottles will be worn over the right shoulder, the strap over the sling of the haversack, chain to the rear, the bottle under the left arm, the bottom to be as nearly as possible in line with the left elbow.

Lanyards of clasp knives.—As for officers.

Greatcoats of dismounted parties will be carried en banderole over the right shoulder secured at the ends by the mess-tin straps.

Mess-tins of men belonging to such parties will be carried in the haversack.

Spurs of men riding on vehicles will be caried in the haversacks. Bandoliers are worn over the left shoulder, pockets to the front and are put on after the haversack and water-bottle. They can be adjusted by buckles on front and back so that the ammunition pockets do not impede the freedom of the right arm, or the sloping of the rifle on the left shoulder.

Greatcoats of Royal Garrison Artillery gunners when mounted will be carried on top of the limber and wagon bodies.

Mess-tins of these men (holes on top) will be attached to guard leathers of gun limbers and ammunition wagons by means of the mess-tin straps.

D.-Notes on the Method of

# (ii) On the Horse.—Articles forming part of sets of harness and

•	Riding horses.						
Articles.		Officers'	Other riding				
		Horse, ridden.	Spare,	horses.			
Bag, nose, G.S. (filled wit 6 lbs. corn)	h	Off side, hind arch of saddle	Round neck	Near side, hind arch of saddle			
Blanket, saddle		In wagon	On back with surcingle and pad	Under saddle.			
Brush, horse				At discretion			
Buckets, rifle				See "Remarks			
Cutters, wire (in frog)	••	<b></b>		Cutter and frog suspended from rear arch of saddle on off side, with steadying strap attached to bottom end of frog from girths of saddle			
Greatcoat (with comforter ca and pair of socks in pocket)	p,	Behind saddle		Front of sad-			
Mess-tin	•••	Rear of near hind arch		Rear of near hind arch			
Pads, surcingle			On sur	cingle.			
Rubber, horse		At discre	tion of co	mmanding			
Wallets, veterinary	•••	•••		Off side o			

<sup>Notes—1. Officers may, at their own discretion, provide a despatch or saddlebag can be carried on the spare horse.
2. Picketing gear will be carried in the wagons. A proportion of vehicles.
3. When luggage saddle is carried on the off horse, the nosebags greatcoat rolled 28 inches long, and nosebags secured to rear</sup> 

Carrying Certain Articles-continued.

saddlery (except saddle blankets) are not included in this Table.

line (with	horses, 1st regimental vers).	transport (	orses, train with A.S.C. ers).		Remarks.		
Near horse.	Off horse (when wear- ing luggage saddle).	Near horse.	Off horse (when wear- ing luggage saddle).	Spare horses.			
Near side, hind arch of saddle	* Off side, hind arch	* On off horse	Secured to rear arches on either side of lug- gage saddle	Round neck	* In wagon when lug- gage saddle is carried in the wagon.		
Under sad- dle			In wagon	On back with sur- cingle and pad.			
of command	ing officer,	but not to	be in the	nose bag.			
				•••	Rifle bucket		
•••					on off side of saddle suspended by passing the strap round the rear arch strut of steel arch saddle and then through the brass link on the side bar cap, the surcingle being passed through the arm.		
Front of saddle		٠	On luggage saddle		12.		
Rear of near hind arch	Cear of near		•••				
under	horse.						
officer,	but not	to be in	the nose	bag.			
			1				

saddle bag (sealed pattern). If an officer is allowed more than one horse, the mallets, heelpeg (about 1 to 20 horses), should be carried in 1st line transport of both horses, and the driver's greatcoat, are fastened to the luggage saddle; arches on either side of saddle.

#### E.-ARTICLES CARRIED BY SPARE HORSES.

(Other than those fully equipped.)

Riding horses ... 2 per battery.
Draught horses ... 12 per battery ... 8 per ammn. column.

Each spare horse will carry one of each of the following articles :-

Bags, nose, G.S., with unexpended forage.
Bit, portmouth reversible, large.
Heads, bridle.
Blanket, saddle.
Brush, horse.
Collar, head, Mk. IV.
Pad, surcingle.
Reins, hit.

Reins, bit.

Rubber, horse. Surcingle, leather.

#### Note: -Of the above spare horses

1 riding 6 draught } per battery.
4 draught, per ammn. column
are fully equipped with harness or saddlery. The remainder have leading gear, as above.

#### SECTION 5.—CARRIAGES, LIMBERS AND AMMUNITION WAGONS.

A .- CARRIAGE, FIELD, B.L. 60 pr.

Articles.	No. per carriage	Where carried.
Bit, vent, 14-inch	1	In holder, right side of trail.
Blocks, tackle, G.S. 21-inch cordage,		
snatch	0/1	In trail,
Brush, breech screw	1	In leather pocket on left actuating brake rod.
Can, lubricating, No. 9	1	In trail.
Cap, sponge, No. 9		On rammer and sponge.
Cases, cleaner, No. 8 or 8A	1	On cleaner.
Cleaner, piasaba, No. 8	1	In trail.
[ breech	1 1 1	On gun,
Covers,   buffer and sight brackets	1	On carriage.
muzzle	1	On gun.
Hammer, claw, 28-oz. or 32-oz		On right side of trail.
Handspikes, common, 6-feet	4	Under firing shoes, in trail.
Pincers, carpenters' pair	4	On left side of trail.
Circular head	1	)
Posts, aiming, { circular head diamond ,,	1(8)	On right side of trail.
square ,,		
Rammer and sponge	1 1 1	In trail.
Rimer, vent T	1	In holder, right side of trail.
McMahon, 15-inch	1	On left side of trail.
<b>Spanners,</b> { McMahon, 15-inch No. 189	1(c)	On right side of trail.

<sup>(</sup>a) For carriages not fitted with bollards in accordance with § 17187, List of Changes.
(b) Per section, or may be carried, if necessary, as shown on page 21. note (d).
(c) Per section.

B.-LIMBER, CARRIAGE, B.L. 60 pr.

Articles.	No. per limber.	Where carried.		
Bar, supporting draught pole, No. 4 (spare)	1	On diagonal stays front of limber.		
Bolts, stop, yoke band (for use with	2	To At North and Law		
bullock draught)	C 0/1050-00-00	In off limber box.		
Box, grease, 3 lb Brush, water, carriage	1(a)	Under limber.		
**************************************	2	In case, under limber.		
Can, lubricating, No. 9 or No.	-	Slung under axletree.		
101	1	In off limber box.		
Carrier, No. 7 dial sight, No. 3		In near limber box.		
Cartridges, B.L. 60 pr. (filled)	0/1	In tin boxes, one in each limber box.		
Case, No. 7 dial sight, No. 1	1	In near limber box.		
Clinometer, field, Mks. III or IV				
(in wood box)	1	In off limber box.		
Collar, adjusting; 1st class B				
capped wheels (spare)	1(d)			
Covers, short rifle		On board, front of limber		
Cloths, sponge	6			
Cotton, waste, coloured oz.	4	In off limber box.		
Drift, No. 12	1	In near limber box.		
Extractor, block, retaining T-tube				
(spare)	1	In off limber box.		
(smooth, hand, safe edge,				
Files,   6-inch or 8-inch second cut, half round,	1	1		
1 Cinal		In near limber box.		
Manualton file amall				
No. 16 (adapter, 2-inch	1	١,		
fuze hole)	1	To a M 1 in hand hand		
No. 10 No. 17 fuzes	2	In off limber box.		
Keys, No. 10, No. 17 fuzes 17, fixing No. 80 or 83 fuzes	-	,, ,,		
fuzes	2			
No. 18, setting	1	,,		
Lashings, 1-inch, 10 feet	1 1	In wire net."		
Lanyard, firing, No. 6	1	In off limber box.		
Leather, chamois	1/.7\			
Padlocks, iron, 2-inch, with keys	2(a)	On limber boxes.		

<sup>(</sup>a) Component of limber.
(c) Only carried when the gun is going into action.
(d) Per section.
No. 10 will not be replaced when unserviceable.

B.-Limber, Carriage, B.L. 60 pr.-continued.

Articles.	No. per limber.				
f-3-inch × 4-inch	1	1			
enlit (mana) \ \frac{3}{16} \times 13-inch	1	11			
Pins, keep, split (spare), $\begin{cases} \frac{3}{16} \cdot \operatorname{inch} \times 4 \cdot \operatorname{inch} \\ \frac{3}{16} \cdot \dots \times 1\frac{3}{2} \cdot \operatorname{inch} \\ \frac{1}{6} \cdot \dots \times 1\frac{1}{4} \cdot \dots \end{cases}$	1				
	1	In off limber box.			
Plugs airhole, \( \frac{3}{4} \),	1				
(spare) filling hole, hydraulic buffer, No. 39		} }			
buffer, No. 39	1(e)	U			
Pockets, { key, spring lock, 2 keys tube, L.S., with strap	2(a)	On limber boxes.			
tube, L.S., with strap	1	In off limber box.			
Rifles, short, M.L.E., with oil-	1				
bottles, pullthroughs, and slings	2	On board, front of limber			
	[ 1	In wire net.			
Ropes, drag, heavy pairs	1	On diagonal stays, front of limber.			
Screw- f G.S., 6-inch	1	In near limber box.			
drivers, [4-inch	1	1			
screws, lubricating hole, bosshead,	-	In off limber box.			
5-inch, × 3-inch (spare)	2				
Shells, B.L. 60 pr. filled, shrapnel		In rear of limber boxes.			
(fore	1	In off limber boxes.			
diel No. 7	1	In case in near limber box.			
Sights, oscillating	1	In near limber box.			
tangent (with clamp)		1			
(No. 189	1(1)	In off limber box.			
No. 264	1(b)	Th ou number box.			
Spanners, No. 130	1	]			
nydraune No 131	1	In near limber box.			
buffer, No. 132	1	In off limber box.			
Catch [mechanism					
retaining { lever	1	)			
breech, screw	1				
collar, actuating extractor	2	1.			
Springs   cover, box slide	1	In off limber box.			
(spare), extractor	2	The off filmoer box.			
guide bolt, block retaining		11			
T tube		11			
retaining T tube	1	11			
vent, Taxial	1	l J			

<sup>(</sup>a) Component of limber.
(b) Per section.
(c) Only carried here when the gun has been shifted to the firing position.
(c) No. 39A, for carriages having Mark I controlling cylinder.

B.—Limber, Carriage, B.L. 60-pr.—continued.

Articles.	No.per limber.	Where carried.		
Stnys, outrigger  Swingletrees, { No. 12   No. 12 (spare)   Ib.	2(a) 4(a) 1.	On limber frame.		
Telescope, sighting, No. 5 (in wood box)	1 1 1(a) 1(b)	In off limber box.		
Washer, drag, 1st class, B. capped wheels (spare) Wrench, adjusting, No. 7 dial sight and carriers Wrench, breech mechanism, No. 52	1(b) 1(b) 1	In near limber box.		

<sup>(</sup>a) Component of vehicle.(b) Per section.

C.-WAGON, AMMUNITION, B.L. 60-pr., MARK I.‡

Articles.	No. per wagon.	Where carried,			
Adapters, 2-inch fuze hole	+	Underneath cylinders con- taining No.65 or 65A fuzes in boxes, fuze, No. 33.			
Boxes, fuze, No. 33	2(a)				
Box, lamp, siege, to hold 2	1(c)	If required, on top of ammunition box, centrally at the rear.			
Cartridges, B.L., 60-pr. (filled) (in tin boxes)	26	In compartments of ammu- nition boxes.			
Fuzes, { percussion, No. 17 or 44, in cylinders time and percussion, No. 65, 654, or 83, in	13	In boxes, fuze, No. 33.			
cylinders	13	ij			
Handspike, common, 6-feet	1	Under wagon.			
Hook, bill (in case)	1	On near side.			
No. 16 (adapter, 2-inch		1			
fuze hole)	2 2	In boxes, fuze, No. 33.			
No. 10-No. 17 fuzes Keys, \ No. 17-Fixing No. 80 or	-	[ In boxes, 1420, 110, 00,			
(d) 83 fuzes	2				
No. 18-Setting No. 80 or	-				
83 fuzes	2	In leather pocket on vehicle.			
Lamps, siege	2	In box, lamps, siege.			
Padlocks, with keys	2(a)	Keys in leather pocket on vehicle.			
Pole, draught, No. 18, Mark. II (spare)	1(b)	Under wagon.			
Saw, hand, 26-inch (in case)	1	On off side.			
Shells, B.L., 60-pr. J H.E	13	Compartments of ammu-			
. (filled), \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	13	f nition boxes.			
Tubes, friction T*	40	In boxes, fuze, No. 33.			
Vallse, horseshoe, with 3 sets of shoes and nails	1	On top of ammunition box, side rail, "near."			

<sup>(</sup>a) Component of vehicle.
(b) Per section.
(c) Per sub-section.
(d) If No. 65 or 65A fuzes are issued No. 5 key will be supplied.

\* This allows 10 spare tubes with each wagon body.
† 1 per fuze for No. 65 or 65A fuze.

‡ For Mark II Equipment see page 34.

#### D.-LIMBER, WAGON AMMUNITION, B.L. 60 Mark I.;

Articles.	No.per limber.	Where carried.		
Adapters, 2-inch fuze holes	4	Underneath cylinders containing No. 65 or 65A fuzes in boxes, fuze, No. 33.		
Axes, heads, 44-lb pick, helves, 36-inch ferruled  Bar, supporting draught pole, No. 4	1	Front of limber.		
(spare) Blocks, retaining T tubes, B.L.	1(d)	On footplate.		
60-pr. (spare)	1(c) 12	In compartments of am- munition boxes.		
Boxes, fuze, No. 33	2 1(b)	In box on footplate. Compartment of ammunition box.		
grease, 3 lb obturating (with spare pad	2(b)	In box under limber.		
Box, { and discs) slide, B.L. 60-pr. (spare)	1 1(c)	In tray, spare parts.		
Buckets, water, G.S. leather	1 2	Near side under limber. One inside the other, near side, under limber.		
Bush, sliding block, B.L. 60-pr. (spare)	1(c)	In tray, spare parts.		
Cartridges, B.L. 60-pr. (filled)	12	Compartments of ammunition boxes.		
	2 2 2 3	In box on footplate.		
Cloths, sponge	2	In tray, spare parts.		
Cotton, waste, coloured oz.	2	]		
Covers, short rifle percussion, No. 17 or 44 (in cylinders)		On back of limber.		
Fuzes, time and percussion, No. 65, 65A, or 83 (in		In boxes, fuze, No. 33.		
(cylinders)	6	IJ		

<sup>(</sup>b) Component of vehicle.
(c) Per battery.
(d) Per sub-section.
† One per fuze for No. 65 or 65 fuze.
‡ Note.—For Mark II Equipment see page 34.

D.—Limber, Wagon, Ammunition, B.L. 60-pr., Mark I.;

Articles.	No. per limber.	Where carried.
. (No.16 (adapter, 2-inch fuze		1
hole)	2	In box on footplate.
Keys, No. 10-No. 17 fuze	1	]
(e) , 17-Fixing No. 80 or		In boxes, fuze, No. 33.
83 fuze	1	
, 18-Setting No. 80 or		
83 fuze	1	In leather pockets or vehicles.
Lanyard, firing, No. 6	1(d)	1
Link, coupling, running out press	1(a)	In tray, spare parts.
Marline spike, steel, 11 inch	1(d)	]
Padlock, with keys	1(b)	Key in leather pocket or vehicle.
Pin, linch, 2nd class, B.L. 60-pr.		*
(spare)	1	In tray, spare parts.
Pliers, flat nose pairs	1(a)	Jan cay, spins farm
Riffes, short, M.I.E., with oil-		0 1 1 1 1 1
bottle, pullthrough and sling	3	On back of limber.
Ropes, drags, heavy pair	1	On footplate.
Screwdrivers, G.S., 6-inch	$\frac{1}{c}(d)$	In tray, spare parts.
Shells, B.L. 60 pr. Shrapnel (filled)	6	Compartments of am-
(filled) H.E	6	In box on footplate.
	2 2	On front of limber.
Swingletrees, No. 11 or 13 (spare)	ī	On footplate.
Tape, measuring, linen, 100-ft.	1(1)	
Fubes, friction, T*	10	In box, fuze, No. 33.
Washers, drag, 2nd class "C,"		2 2.2,,
B.L. 60-pr. (spare)	1	In tray, spare parts.

<sup>\*</sup> Spare tubes, 10 per wagon, carried in wagon body.

‡ For Mark II equipment see page 34.

(a) Per section.

(b) Component of vehicle.

(d) Per sub-section.

(e) When No. 65 or 65A fuzes are issued No. 5 keys will be supplied.

#### E.-WAGON, AMMUNITION, B.L. 60-PR., MARK II.

Articles.	No. per wagon.	Where carried.		
Adapters, 2-inch fuze hole	(d)	Under fuze boxes.		
Blankets	2	On top (front).		
f cartridge	24	7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
fuze, No. 33, Mark III	2	In ammunition box.		
Box, { grease, 3-lb lamp, siege, to hold two	1	Under "off" side.		
lamp, siege, to hold two	1 (c)	On top "near" side.		
Bucket, water, G.S., canvas	2	In wire net receptacles.		
cartridges	24	In ammunition box.		
percussion, D.A., with cap, No. 17 or 44 (in tin cylinders) or No.				
Fuzes, 100 with gaine No. 1	12	11		
T. and P., No. 83 (in tin		In fuze box.		
cylinders)	12	[]		
Greatcoats	2	On top (rear).		
Handspikes, common, 6-ft	1	With spare pole under		
		perch.		
No. 16-No. 100 fuze		1)		
" 10—No. 17 fuze	2	In fuze box.		
Keys J ,, 17-Fixing Nos. 80		The raze box.		
Keys (e), 77—Fixing Nos. 80 and 83 fuze 18—Setting Nos. 80	2	] -		
, 18—Setting Nos. 80				
and 83 fuze	2	On side of ammunition box		
Kettles, camp	2 2	Under wagon, if required.		
Lamps, siege	. 2	'In " Box, lamps, siege."		
Lashings, tarred, 1-in., 10-ft		On top at rear.		
Pole, draught, No. 18, Mark II	1(a)	Under perch.		
Ropes, picketing, 66-ft		On top (rear).		
saw, hand, 26-in. (in case)	. 1	On "near" side.		
Shell, { high explosive shrapnel	10	In ammunition box.		
Spanner, 2:0:00	. 1	On " off" side.		
Tools, { saddlers, No. 1 set shoeing	1(a 1(b)	In valise.		
Tubes, friction, T. (10 in tin box)	30	In fuze boxes.		
Vallses, horse shoe, large (with 3				
sets horse shoes)	1 1	On top (centre).		
Vallses, tool, { saddlers sets	1(6	On top "near" side.		

<sup>(</sup>a) Per section.

(b) Per section, and one spare per battery carried in technical wagon.

(c) Per sub-section.

(d) One per No. 65 or 65A fuze issued.

(e) When Nos. 65 or 65A fuzes are issued, No. 5 fuze key will be supplied.

# Section 5.—Carriages, Limbers and Ammunition Wagons—continued. F.—LIMBER WAGON, AMMUNITION, B.L. 60.-pr., MARK II.

Articles.	No. per Limber.			
Adapters, 2-in. fuze hole	(a)	Under fuze boxes.		
Axes, pick, { heads, 4½-lb helves, 36-in., ferruled	1			
helves, 36-in., ferruled	1	On footboard.		
Bar, supporting draught pole, No. 4 Blankets	1 2	On top (front).		
Blocks, retaining T tube, B.L.	1	In tray, small stores.		
cartridges	16	11		
Boxes, { fuze, No. 33, Mark III	2	In ammunition box.		
grease, 3-lb Box, obturating (with spare pads	1	Under " near " side.		
and discs)	1	1		
Box, slide	1	In tray, small stores.		
Bush, sliding block	1	Under "near" side.		
Brush, water, carriage Can, lubricating, No. 3	2	Under platform board "off" side.		
Cartridges	16	In ammunition box.		
Cloths, sponge	5	1		
Collar, adjusting, 2nd Class "C,"	1	In tray, small stores.		
Cotton, waste, coloured oz.	2			
Covers, short, rifle	3	On rifles.		
No. 17 or 44, or No. 100 with				
No. 1 gaine (in tin cylinders)	8	11.		
Fuzes, T. and P., No. 83 (in tin		In fuze boxes.		
cylinders)	8	On top (near).		
Greateoat	2	On "off" side.		
No. 16-No. 100 fuze	100 100 100	)		
No. 10-No. 17 fuze	2	1		
No. 17 Fining Vos 80	100	In fuze box.		
Keys (c), and 83 fuzes (c) No. 18—Setting Nos.	2	)		
80 and 83 fuzes (c)	2	On side of ammunition box		
Lanyard, firing, No. 6	1	)		
Link, coupling, running-out press	1(b)	1		
Marline spike, steel, 11-in	1	In tray, small stores.		
Pin, linch, 2nd Class "C," capped				
wheels	1			
Pliers, flat nose pairs	1	)		

<sup>(</sup>a) Issued with No. 65 or 65A fuzes. (b) Per section. (c) When No. 65 or 65A fuzes are issued, No. 5 fuze key will be supplied. в 2 (B 11758)

F.-Limber Wagon, Animunition, B.L. 60-pr., Mark II-continued.

Articles.	No. per Limber.			
Rifles, short	3	In clips—front of limber.		
Ropes, drag, heavy pair	1	On footboard.		
Screwdriver, G.S., 6-in	3 1 1	In tray, small stores.		
Shell-				
H. Explosive Shrappel	8 8 2 1	In ammunition box.		
Shovels, G.S	2	On platform board.		
Swingletrees, No. 11 or 13	ī	On footboard.		
Tape, measuring, linen, 100-ft	1(a)	In tray, small stores.		
Tubes, friction, T (10 in tin box)	20	In faze boxes.		
Washers, drag, 2nd Class "C,"	1	1		
Springs, catch, limber and perch	2(a)	In tray, small stores.		

<sup>(</sup>a) Per sub-section.

Section 6.—CART AND WAGON EQUIPMENT.

						37						
				No.		1	-	4			61	-
ACART, WATER TANK, MARK V (WITH FILTERING APPARATUS).	Remarks.		(a) A.S.C. supply.	5		(b) Covers, short rifle	ratus, filtering candles, apparatus,		•	<u> </u>	Blocks, brake, field and transport	to tank
	How packed.		On top of frame, at front. (a) A.S.C. supply.	In small stones he	In sterilizing kettle.	In small stores box.	On near side of clarifying	stores box. Secured by lashing, as	convenient. In grease box. In 9 4-oz. tins.	each with In clarimeasure. fying In 18 8-oz. tins, stores each with box	_	On top of frame, at front.
ANK,	Approxi- mate weight.	ozs.	∞ <del>4</del>	-		10	4	0	0 4	0	9	80
ER T		lbs.	40	0	0	00	г	20	က ဂၢ	6	9	က
WAT	No.			-	Ä		-	20	8 27	6	г	-
	Articles,		Axes, pick, {heads	Board, inventory, wood (with list)	cleaning tank	Brushes, { washing	Buckets, water, G.S., canvas	hemp, 3-thread lbs.	Grease, lubricating ", (bleaching (a) ",	Powder, clarifying (a) ,,	Bopes, drag, light, G.S., pairs	Shovel, G.S
(B 1	1758)										B 3	

2 -

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ng...
Rings. clarifying reel (rubber)
Tap, water, small, No. 3
Twine, packing, middling... bulls

Wings, leather, L section, set of 3 .... rets

Washers, leather, set of 4 ...

Pins, linch, 2nd class ....

Reels, clarifring, apparatus, filter-

... 1,478 10 Approximate.

Cart, water tank (with components, accessories (b) and spare parts (c) ... ...

Remarks. 62 | In small stores box. How packed. 028. 1 15 Approximate weight. 9 lbs. 0 6 21 No. : Spanners, No. 287 (differential pump)

Valise, horse-shoe, small (with 4 pair of shoes and nails) ... : Total equipment Articles.

A .- Cart, Water Tank, Mark V (with Filtering Apparatus) -- continued.

cap, drain hole (leather)	ank (leather)		g, 2nd class, "C"	ou, 4-men nose	
es · ·	iner.	su,	r dra		
$0 = 13\frac{3}{4}$ ewt.	***** 1 1 G				
1,530	e de la constante de la consta		* ***	7.	 ,
Cart equipped					

(B 11578)

# Section 6.-CART AND WAGON EQUIPMENT.

B-G.S. WAGON.

(5 per Battery.) (6 per Amunition Column.)

Articles.	No.	Approxi- mate weight.	oxi- te ht.	How packed.	Remarks.
		lbs.	·szo		
Axes, { felling, curved helve		54	08	In the larker	(a) Cover. (b) Swingletree, 1; and the following, packed in the locker:—
pick, { helve, 36-in., 1er- ruled Board, inventory, with list	нп	80	41		No. Mark of Wagon.
Buckets, water, G.S., canvas§ (or leather) (12 lbs.)	61	es	œ	Slung under the	Blocks, brake, field and transport 2 VI to X*
Brush, water, carriage	-	0	10	In the locker.	Collars, wheels of a survey
Corduge, tarred, spunyarn, nemp. 3-thread lbs.	.c. a	70 z	00	In the grease boxes.	
Grease, lubricating " " " " Rook, bill		গ ক	000	In the locker. Strapped under the	Lashings, tarred, 12 in., oz vel 1 IX and XI
Shovels, G.S	64	1	0	In the locker.	2nd class, C, capped wheels 1   3rd class, B, capped wheels 1
Total equipment	<u> </u>	43	15		2 2nd class, C I IV to X
G.S. wagon (with components, accessories (a), and spare parts (b)	:	1,932	00		सन् (3rd class B, capped wheels   1   ]
G.S. wagon equipped (c)	:	1,976	-	= 174 cwt., about.	(c) Approximate only; weight varies, according to Mark.

† Future manufacture will be 1-inch white rope. § When stock of leather buckels is used up.

#### Section 7.—CART AND WAGON LOADS.

A.

The distribution of the loads carried by regimental transport shown in this section, has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances. The weights of individual items in the loads, of different Marks of wagons, and of individual wagons of the same Mark, may be found to vary.

CARTS, WATER TANK, MARK V (WITH FILTERING APPARATUS).
(1 PER BATTERY.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
Blanket, saddle Water galls. Water cart equipped (cf.	1 114	5 1,140	4 0	For the off horse.
Water cart equipped (cf. page 38)		1,530	0	
Total loaded cart		2,675	4	=24 cwt., about.

#### B.-G.S. WAGONS.

Battery-No. 1. Technical Stores.

Articles.	No.	Appr ma weig		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Box, candle, F.S. (filled)	1	1	11	
Lantern, tent, folding	1	6	12	
Pincers, horn-cutting	ī	3	0	
shoes, horse, in valise (with	- 1	.,	1	
nails) sets	4	32	0	
Wedges, sawyers, steel, 7-inch	1	2	12	
vietages, sampers, seeds, renth	- 1	-	12	
IN THE BODY.	.			
Equipment and Stores.				
Bar, supporting draught pole,			1	•
No. 4	1	12	0	
Blocks, brake, 6-inch tire, No. 1	4	50	0	Ek
Ray M.S., No. 2 (filled)	1	68	0	li de la companya de
Box, { lamp, siege	1	11	8	With 2 lamps, but
draulie, ear-	4	0	2	without candles.
riage, field, washers, pack- B.L. 60-pr., ing sets	4	0	12	
Chalk, prepared, white boxes Chest, tool, armament artifi-	2	4	0	<b></b> 22
cers	1	270	0	
Chest, stock and dies, Whitworth thread, 1-inch-3-inch		-11		
filled Connectors, engine draught,	1	51	0	
No. 3 Collar, adjusting, 1st Class "B,"	2	222	O	2 1
capped wheels	1	1	2	1
Cordage, hemp, hawser, 3- strand, white, 4-inch, lengths of 29 fms., with hooks				
lengths	1	95	12	
Crowbars, 5-ft. 6-in	. 2	62	0	
Glycerinet pints		33	0	
Hooks, reaping, large	3	3	12	1

<sup>†</sup> Issued in lieu of mineral oil.

Battery. -No. 1. Technical Stores-continued.

Articles.	No.	Appr ma weig	te	Remarks.
		lbs.	ozs.	
IN THE BODY-cont.				
Equipment and Stores-cont.	ĺ			
Jacks, J G.S., Mark III	1	34	0	
lifting \ serew, No. 2	2	210	0	
Lashings, tarred, 11-inch,	-		1	
30 fect	6	16	8	(
Lever, 12-ft	1	58	0	
Lines, Hambro'	2	5	10	
Mauts, f heads, Mark V	6	7		
G.S., [ helves, 343-in	8	} 87	4	
Measure, hydraulic buffer,		,		
filling, No. 2	1	3	11	
o'ive, best quality, lubri-			,	<i>i</i>
Oil, { cating pints	4	5	12	
	6	8	0	
Packing, greased, ginch	1,000		"	
square, lengths of 16 inches				
lengths	8	0	12	
		· ·		
Pads, obturating (with discs), in boxes (spare)	2	4	4	
(signalling (a)	ĩ	80	o	(a) For contents of
signaturing (a)	•	CO		pannier see page 64.
Pannier, { tool, saddlers (filled)	1	77	8	With telephone
Tammer, 1 6001, santhers (anea)	-	• • •		equipment stores.*
(,, ,, (empty)	100	30	3	equipment etoice.
	1	2	4	(b) May be carried
bags mallets, heel-peg	2	5	0.	in baggage wagon
Picketing ropes, heel	4	3	2	until required.
	· ·		-1	unin roquitan
gear, pegs, picketing, with rope loop,	1			
Mark II	4	4	12	
Pins, linch, 1st class "B,"	1	- 4	~~	
annual mbasis	2	0	2	
capped wheels	-	0	-	
Planks, moving guns, special,	2	350	0	
9 feet by 15 inches	4	000		
Poles, draught, No. 19 (for	,	63	0	
gun limber)(spare)	50	212	8	
Posts, 22 feet, with rope loop	6	62	4	
picket, \ 5 fect	0	(.2	*	

<sup>\*</sup> See page 66 for detail of packing.

#### B.—G.S. Wagons—continued.

Battery.—No. 1. Technical Stores—continued.

Articles.	No.	Approx mate weigh		Remarks.
		lbs.	ozs.	i.
IN THE BODY-cont.				
Equipment and Stores -cont.				
Rollers, ground, 3 ft. by 6 in.				
diameter	2	35	0	
Ropes, heel, large	12	12	0	•
Scotches, large	6	30	0	
Selvagees, 48-inch	4	12	8	
[3ft. × 5 in. × 4 in		56	0	
Skids, 18 in. x 5 in. x 4 in	4	40	0	
3 ft. × 3 in. × 6 in	4	50	0	
Slings, gun and carriage, B.L.				
60-pr	1	100	0	Per section.
Springs, disc, No. 53	2	1	4	
(wound		333		
left.	1	29	0	
(inner, wound		5070		
springs, wight	1	29	0	,
running-out,			1	
D.L. 00-pr.,	1	45	0	l,
outer, wound			1	1
l right	1	45	0	Į.
Stretchers, ambalance	. 1	34	0	
Syringe, extracting, liquid	. 1	0	0	
Tapes, measuring, linen, 100 feet		1	2	
Covers, waterproof, black, 20 ft.	1		1	
× 10 ft	. 2	132	0	Covers, sailcloth, un-
Tackles, luff, 14 fms		80	0	til stock is ex-
Twine, whipping lbs.	2	. 2	0	hausted.
Valises, fitters or wheelers	. 1	10	0	
tool { saddlers		11	12	
(filled) \shocing	. 2	30	4	
Washers, drag, 1st class "B,"			1	1
capped wheels	1 1	0	6	_
Load		3041	12	(b) Approximate
G.S. wagon equipped (cf.		COLL	1	only; weight varies
page 40) (b)		1976	7	according to Mark.
Total loaded G.S. wagon, No. 1		5018	3	$=41\frac{3}{4}$ cwt., about.

Battery.-No. 2. Technical Stores.

Articles.	No.	App:	ite	Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Box, candle, F.S. (filled)	1	1	11	j
Lantern, tent, folding	1	6	12	1
Shoes, horse, in valise (with	1			
nails) sets	4	32	0	ł.
Wedges, sawyer's, steel, 7-inch	1	2	12	
IN THE BODY.  Equipment and Stores:—  Bar, supporting draught pole,				
No. 4	1	12	0	
Blocks, brake, 6-inch tire, No. 1	4	50	0	
Rox, M.S. No. 2 (filled)	1	68	0	/ \ TT**
lamps, siege (a)	1	9	12	(a) With 1 lamp, bu
Buffers, hy- frings, packing	4	0	2	without candles.
draulic, car-			)	
riage, field, washers, pack-		^	1 10	
B.L. 60-pr. \ ing sets	4	0	12	
Cartridges, small-arm, ball;	201		0	
pistol, Webley, cordite, rounds		3	0	
Chalk, prepared, white boxes	2	4	0	
Chest, tool, filled, No. 11B			1	ř.
(smith), and material for re-		226	1 0	
pair of carriages	1	220	0	
Collar, adjusting, 1st class,	1	1	2	
"B," capped wheels	1	1	-	
Cordage, hemp, hawser, 3-	1		1	
strand, white, 4-inch, lengths	1	95	12	
of 29 fms., with hooks lengths	1	20	1	
Connectors, engine draught,	2	222	0	
No. 3	2	63	0	
Crowbar, 5 ft. 6 in		33	0	
Glycerine † pints	1	11	3	
Hammer, smith's, sledge, 10-lb.	3	3	12	
Hooks, reaping, large	1	34	0	
Jacks, G.S., Mark III	0	210	0	
lifting,   screw, No. 2		16	8	
Lashings, tarred, 1½-in., 30 ft.	6	58	0	

<sup>†</sup> Issued in lieu of "Oil," mineral.

Battery.—No. 2. Technical Stores—continued. (See note on page 3.)

Articles.	No.	Appro mat weigh	e	Remarks.
		lbs.	ozs.	
IN THE BODY-cont.				12
Equipment and Stores - cont.				İ
Lines, Hambro' Material for repair (armament	2	5	10	
artificer)		30	0	
Mauls, ∫ heads, Mark V	6	} 87	4	
G.S., \ helves, 34\frac{1}{2}-in	8	1 0,	*	* 2
Measure, hydraulic buffer,	,	0	11	
filling, No. 2 folive, best quality, lubri-	1	3	11	100
Oil, { cating pints	4	5	12	
Rangoon	6	8	0	
Packing, greased, g-inch square,				
lengths of 16 inches lengths	8	0	12	Si .
Pads, obturating, with discs		18000		
(in boxes)	2	4	4	
(signalling (a)	1	- 80	.0	(a) For contents of
Pannier, tool, saddlers*	1	77	8	pannier see page 64.
(filled)		30	0	(A) May be assuited
(bags	1	2	4	(b) May be carried in baggage wagon
mallets, heel-pog	2	5	o	until required.
Picketing   ropes, heel-peg	3	2	6	until required.
Gear, pegs, picketing,				
with rope loop,				
Mark II	3	3	9	
Planks, moving guns, special,				
9 ft. by 15 in	2	350	0	
Poles, draught, No. 19 (for gun limber) (spare)	1	63	1	
Posts, $\int 2\frac{1}{2}$ ft., with rope loop	1 40	170	0	7
picket, 5 ft	6	62	4	1
[blocks, retaining	1			1
Ordnance, Ttube	1	1	9	
B L 60-pr 7 Doxes, slide	1	4	8	
B.L., oo-pi.,   g   hinge, bolt,			1	
minge, bolt,   carrier	1	1	1	
Z [sliding block	1	0	8	

<sup>\*</sup> See page 66 for detail of packing.

Battery.—No. 2. Technical Stores—continued.

Articles.	No.	Approxi- mate weight.		Remarks.
		lbs.	ozs.	
IN THE BODY—cont.  Equipment and Stores—cont.  Rollers, ground, 3 ft. by 6 in. diameter  Ropes, heel, large Scotches, large Selvagees, 48 inch  \$ 18 in. by 5 in. by 4 in. \$ 18 in. by 5 in. by 6 in. \$ 18 in. by 5 in. by 6 in.  Slings, gun and carriage, 60 pr.  Springs, disc, No. 53  Springs, finner wound left wound right out, B.L. 60 pr.  Syringe, extracting, liquid	2 11 6 4 4 4 1 2 1 1 1	44 11 35 12 56 40 50 100 1 29 45 45	0 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* Per section.
Tapes, measuring, linen. 100 ft. Covers, waterproof, black, 20 feet by 10 feet (a)	1 2	132	0	(a) Covers, sailcloth,
Tackles, luff, 14 fms	2	80	0	until stock is ex-
Twine, whipping lbs.	2	2	0	hausted.
valises, tool, (filled) shoeing	1	11 15	12 2	Served and SERVE SERVE SERVE
Washers, drag, 1st class "B," capped wheels	1	0	6	
Load		2933	2	(b) Approximate only; weight varies
G.S. wagon equipped (cf. page 40) (b)		1976	7	according to Mark.
Potal loaded G.S. wagon No. 2		4909	0	=131 cwt. about.

Battery.—No. 3. Baggage and Stores.

Articles.		Appr ma weig	te	Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Box, candle, F.S. (filled)	1	1	11	
Handeuffs, common pairs	2	3	0	•
Lantern, tent, folding	1	6	12	
Reflector, mirror	1	0	1	
steins, driving, long set	1	4	1 4	
Shoes, horse, in valise (with			1	
nails) sets	3	24	0	1
Stone, rub, scythe	1	1	4	
IN THE BODY.				
Equipment and Stores.	ĺ			
Bags, tool (filled), shocmakers	1	25	0	
Baggage, [C.O		50	0	
officers I other officers	1	140	0	ĺ
Blankets, saddle (a)	1 -	26	4	( ) For officers'
(No.1 (forge			1	horses.
tools)		81	0	1
No. 1 (fit-				
mobili- i ter's or	1	1	1	Í
zation   wheeler's	1	ſ	1	
· stores i tools)	. 1	66	0	ł
Boxes, I No 6 (end.	1		1	
(filled) dler's	1			
( tools)	. 1	63	0	1
dubbing or mineral	1		1	1
jelly; with 7 lbs.	1	}	1	}
dubbing	4	10	0	1
stationery, field	. 1	46	8	İ
Brushes, harness, hard	. 41	18	0	}
Chest, veterinary, unit 25 lbs.		1		
(filled)	. 1	25	0	1
Cylinders, paint, with 8 lbs.	1		1	1
red mineral jelly	. 3	13	0	
Flannelette, Mk. III yds.		0	8	
Hooks, reaping, large		3	12	
Mauls, Sheads, Mk. V		13	13	
G.S., helves, 341-inch	.) 1	1)	1 20	1

Battery.—No. 3. Baggage and stores—continued.

$m{\Lambda}rticles.$		Appr me weig	ite	Remarks.
		lbs.	ozs.	
IN THE BODY-cont.	Ì			
Equipment and Stores-cont.				
Picketing bags (spare) mallets, heelpeg	1	2	412	
gear, (spare)	2	5	0	
Pole, draught, No. 7A	1	47	0	(
Posts, picket, 21 ft. with rope				
loops	49	208	4	
Ropes, picketing, 66 ft	8	64	0	
Rugs, horse, large	4	48	0	
Sheets, ground (a) Shoes, horse, in boxes (with	161	402	8	(a) Includes 1 each for A.V.C., serjeant,
nails) (set)	47	282	0	interpreter, and
Twine, whipping lbs.	2	2	0	A.S.C. details.
Whip, driving	1	1	0	
Load		1684	131	//>
G.S. wagon equipped (cf. page 40) (b)		1970	7	(b) Approximate only; weight varies according to Mark.
Total loaded G.S. wagon No. 3		3660	41	=33½ ewt., about.

Battery.—No. 4. Supplies.

Articles.	No.	No. Appro		Remarks.	
		lbs.	ozs.		
IN THE LOCKER.					
Box, candle, F.S. (filled)	1	1	11		
Lautern, tent, folding	1	6	12		
Reins, driving, long set	î	4	4		
Shoes, horse, in valise (with	1	{	1	F	
nails) sets	3	24	0		
IN THE BODY.					
Equipment and stores :-		ł	1		
Hooks, reaping, large	3	3	12		
Mauls, G.S., { heads, Mark IV helves, 344-in.	1	} 13	13		
		1)			
Whip, driving	. 1	1	0		
Forage:-	115	1 110	1 0	1# 1 . C 00 11 -	
Oats	. 115	1,416	0	17 sacks of 80 lbs. net each, and 1	
Load		1,471	4	sack of 20 lbs. net.	
G.S. wagon equipped (cf.	1				
page 40)		1,976	7		
Total loaded G.S. wagon		1		1	
No. 4		3,447	11	= 30% cwt., about.	

B.—G.S. Wagons—continued. Battery.—No. 5. Cook's Wagon.

	Articles.		No.	Appi ma wei	te	Remarks.		
				lbs.	ozs.			
1	N THI	E Lock	ER.		i		1	
Box, car	dle. F	'.S. (fill	ed)		1	1	11	
Chisel,	rippin	g			1 7	2	3	}
Hamme	r, riv	eting, 2	4-oz.		1 -	2	0	
Lantern	, tent	, foldin	g		1 7	6	12	,
Screwdi	iver,	G.S., 9	-inch		1	0	13	
Shoes,	horse,	in va	lise	(with				-
nails)				sets	2	16	0	
Wedges	, sawy	ers, ste	el, 10	-inch	1	6	9	
		E Bod						
Balance	s, spr	ing, 80-	lbs.	.;.	1	3	11	
Implem				set	1	37	0	
Kettles,	camp,	oval, 12	quai			21	0	
For on	icers (	packed	)	•••		93	8	
For ran			•••	•••	11 2	1	8	
Knives, Bacon		ng oms		•••	161	64	0	41 lbs. net in a case
			•••		161	233	0	164 lbs. in 3 cases o
Cheese					161	40	0	50 lbs. net each and 1 canister of 14 lbs. net, or 200 lbs. brend in lieu. 2816 lbs. net in a case.
Froceries		5.0						case.
Musta					164	0	63	4 ozs. net in a tin.
Peppe	6/15/100				164	0	8	5 ozs. net in a tin.
Salt					164	5	2	$5\frac{2}{10}$ lbs. net in a bag with sugar.
Sugar					164	30	14	2814 lbs. net in a sack.
Tea					161	9	2	6 to lbs. in a canister
lam					164	64	0	41 lbs. in a case.
egetab			***		164	39	0	20½ lbs. in a case.
leat, pr	eserve	d		•••	161	200	0	or 205 lbs. fresh or
Load				(		891	111	frozen meat in lieu
	ge 40)	n equip 	nea	(cf.		1,976	7	
Total No	load . 5	ed G.8	S. w 	agon 		2,863	21	= 26 cwt., about.

C.—G.S. WAGONS.

Ammunition Column.—Nos. 6 to 9. Ammunition.

(See note on page 3.)

Articles.	No.	Appro mat weig	e	Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Adapters, 2-inch fuze hole	20	7	11	One per No. 65 or
Box, candle, F.S. (filled)	1	1	11	65A fuze issued.
(percussion, with cap,				
No. 17 or 44, or No.		1000		li e
Fuzes, \ 100 with No 1 gaine	20	21	8	
T. and P., No. 65, 65A,				
or 83	20	47	0	
Hooks, reaping (large)	2	2	8	(a) In 5 tin boxes.
Lantern, tent, folding	1	6	12	24 0
Mauls,   heads, Mark IV	1	13	13	
G.S.   helves, 34½-inch	1		1	(b) In 4 cases.
Tubes, friction, T. (a)	50	8	12	powder, metal
Shoes, horse, in valise (with			1	lined.
nails) sets	3	24	0	
IN THE BODY.	1		1	(c) Approximate
Equipment and stores:-	ļ		1	only; weight varies
Cartridges, B.L. 60-pr.				according to Mark.
(filled), 9 lb. 7 oz. cordite,		1.000	1	
M.D., size $16(b)$	40	377	. 8	
Cases, metal lined, empty		188	0	(d) No. 6 wagon will
Plugs, fuze \( 2 \cdot \) 2-inch		15	0	carry 36 and No. 7
hole,   special		11	0	will carry 41 shells
Shells, B.L. 60-pr. J H.E		1,200		in slings.
(filled), $(d)$ $\begin{cases} shrapnel \end{cases}$	20	1,200		
Slings, projectile, B.L. 60-pr.	40	87	8	On shells.
Load G.S. wagon equipped (cf.		3,212	11	
page 40) (c)	9	1,976	7	
*Total loaded G.S. wagon	.]	5,189	2	= 441 cwt., about.

Note.—(i) G.S. wagon No. 6 carries a spare wheel No. 10 (1,349 lb.) or (472 lb.) 12; No. 8 a spare wheel No. 34A (191 lb.) or 45 (217 lb.) (according to equipment in possession); No. 9 a spare wheel No. 159 (128 lb.), and No. 11 a spare wheel No. 200 (165 lb.)

wheel No. 159 (128 lb.), and No. 11 a spare wheel No. 200 (165 lb.).

See § 14,665 as amended by § 14,783 with regard to the carrying of wheel No. 10 or 12, and § 15,102 with regard to the carrying of the other spare wheels.

For the Battery Ammunition Column there are 4 ammunition wagons and limbers, and 4 G.S. wagons. For the detail of an ammunition wagon and limber and the number of rounds carried, see pages 31 and 32, except that ammunition wagons of the column will carry 50 T. tubes.

C .- G.S. Wagons .- continued.

#### Ammunition Column.-No. 10. Technical Stores.

Articles.	No.	Approxi- mate only.		Remarks
		lbs.	ozs.	
IN THE LOCKER.				8!
Box, candle, F.S. (filled)	1	1	11	
Pincers, horncutting	1	3	0	
Lantern, tent, folding	1	6	12	
Shoes, horse, in value (with				
nails) sets	4	32	0	
Wedges, sawyer's, steel, 7 inch	2	5	8	
IN THE BODY.				
Equipment and stores :-				
Bars, supporting draught			1 1	
pole, No. 4	2	24	0	
Blocks, brake, 6 in. tire, No. 1	3	37	8	
No. 1 (spare parts,			1 1	
material for re-			1	
pair, tinman's				
tools)	2	216	0	
Boxes, No. 2 (material for				
mobili- repair of harness		•		
zation { and saddlery;			1 - 1	
stores   directors, &c.)	1	68	0	
(filled) No. 11 (spare fit-				
tings, &c.)	1	46	0	
No.12(spare sights)	1	113	8	
No.23 (spare piston			10	
and valve key)	1	0	0	
Brush, breech, screw	1	0		
Cap, sponge, No. 9	1	0	113	
carpenters and	,	270	0	
wheelers	1	210		
Chests stocks and dies,				
(filled) Whitworth	1		!	
thread, 1 inch to	1	51	0	
tool, No. 11B (smith)		226	0	
Cleaner, piasaba, No. 8 (in	^		!	
	1	6	21	
case)		-	0	

C .- G.S. Wagons-continued.

Ammunition Column.—No. 10. Technical Stores—continued.

(See note on page 3.)

Articles.	No.	Approxi- mate only.		Remarks.
		lbs.	ozs.	
IN THE BODY-cont.				
Equipment and stores -cont.				
Cordage, hemp, hawser, 3-	ĺ			
strand, white, 4 inch,				
lengths of 29 fms., with		~~		
hooks length	1	95	12	
Crowbar, 5 ft. 6 in	1	31	5	
Cutters, wire pairs (No. 45 fordinary	6	6	12	(a) Manka T on TH
No. 45 fordinary wheel, slip	1(a)	6	12	(a) Marks I or III according to pat-
No 10 Cordinary	2	21	0	tern of wheel.
Felloes, wheel, slip	2	24	0	Total of whiceti
No. 12   ordinary	2	28	0	
( wheel, )	20000			
(claw, 28 oz	1	2	4	
Hammers,   smith's, sledge,		10	1 .	
handle, No. 1	1	10	0	
Hooks, reaping, large	2	$\frac{1}{2}$	8	
COS MIL TIT	ī	34	0	
Jacks, lifting, screw, No. 2.	ī	105	0	
Lashings, tarred, 11in., 30ft.	4	11	0	
Lines, Hambro'	1	2	13	
Mauls, G.S. Shead, Mark V	3	} 45	13	
[ nerve, Mark 1	5	1	10	
Poles, No. 7A (for G.S.	1	477	0	
draught, No. 19 (for gun	1	47	0	
(spare) limber)	1	63	0	
circular head	ī	1	12	
Posts, aiming, diamond ,,	1	1 1	12	
square "	1	1	12	
Posts, picket, 21 feet, with	1		1	
rope loop	30	127	8	1
Presses, running out, B.L.,		1.00	1	
60 pr	1	448	0	1
Rammer and sponge, B.L.,	2	11	8	1
Screwdriver, G.S., 6 inch		0	6	
spanner, adjustable, 15 inch	î	3	13	

C.—G.S. Wagons—continued.

Ammunition Column.—No. 10. Technical Stores—continued.

(See note on page 3.)

Articles.		Appr ma onl	te	Remarks.
		lbs.	ozs.	
IN THE BODY-cont.				
Equipment and stores-cont.			1	
[ No. 10   back	2	15	0	
No. 10 back wheel, front	2	15	0	Į.
No. 12   back	2	13	6	
Spokes, wheel, front	2	13	6	NO ASSET ATTACK ATT AND AND AND AND AND AND AND AND AND AND
No. 45   back	2(a)	7	10	(a) Marks I or III
(wheel, front	2(a)	7	10	according to pattern
Springs, { inner { wound left	2	38	0	of wheel.
running   miler   ,, right	-	38	0	
out, B.L. outer { wound left		90	9	
ou pr. ( ), right	2	50	0	
Stand, No. 4 director	1	22	0	
(telemeter, Mark 1V	2	14	0	In "buckets, stand,
Tackle, luff, 14 fathoms	1	40	0	telemeter."
Telescope, [	1	9	8	
variable   case	1	3	0	
power, stand	1	11	8	
No. 2 Lease, stand	1	3	0	
Tools, [blocks, wood, V	2	41	12	
assembling   staves, 8 ft. by		19		
springs, B.L., 11 inch diam.	1	4	6	
60 pr. Lwrench	1	3	15	
Twine, quilting lbs.	1/2	0	8	
Vallses, fitters or wheeler's	1	10	0	
tool   saddler's	1	11	12	2
(filled) (shoeing	1	15	2	
Load		2774	03	1 *: 2 2
G.S. wagon equipped (cf. page 40) (a)		1976	7	(a) Approximate only: weight varies ac-
Total loaded G.S. wagon No. 10		4750	71	cording to Mark, = 45 cwt. about.

C.—G.S. Wagons—continued.

Ammunition Column.—No. 11. Baggage, Stores and Supplies.
(See note on page 3.)

Articles.		Appr ma weig	te	Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Box, candle, F.S. (filled)	1	1	11	
Chisel, ripping	1	2	3	
Flannelette, Mark III yds.	19	0	9	
Hammer, riveting, 24 ozs	1	2	0	
Handcuff's, common pairs	1	1	8	
Knives, opening tins	2	1	8	
Lantern, tent, folding	1	6	12	25
Reins, driving, long set	1	4	4	
screwdriver, G.S., 9-inch	1	0	13	
Shoes, horse, in valise (with				
nails) sets	3	24	0	(6)
IN THE BODY.				
Equipment and Stores :-			1	
Baggage, officers	1	35	0	1
Balance, spring, 80 lb	1	3	11	i
Blanket, saddle (a)	1	5	4	(a) For the officer's
Block, supporting wheel (b)	1	0	10	horse.
No. 1 (forge				Control of the contro
tools)	1	81	_ 0	(b) For Nos. 200 or
No. 1 (fitters'		1		200a wheel.
mobili- or wheelers'			1	
Boxes   retion j tools)	1	66	0	
(filled) \ stores   No. 5 (min-			1	i
erai jeny,		-	) _	
oil, &c.)	1	76	0	
No. 6 (sad-		00	1	
( dler's tools)	1 VED 10	63	0	l .
(stationery, field	21	46	8	l.
Brushes, harness, hard Chest, veterinary, unit, 251b.	1 21	U	8	
	1	25	10	1
(filled)	1	20	0	1
Flags, dis- column, Mk. II	1	0	4	1
Linguish J Column, Mr. 11	1	2	1	1
crossbars pair			111	1

# Ammunition Column.—No. 11. Baggage, Stores and Supplies—continued.

Articles.		Appi ms weig	te	Remarks.
		lbs.	ozs.	
IN THE BODY-contd.				
Equipment and Stores-cont.		l	1.	ł
Grindstone, F.S., 14-inch	1	64	0	
Hooks, reaping, large	2	2	8	
Implements, butcher's set	ī	37	0	
(for officers	_			ĺ
Kettles, camp, (packed)	1	17	0	1
oval, 12 quarts for rank	•	-		
and file	3	25	8	
Lanterns, tent, f green	ĭ	3	6	In box, with 1 spare
dietin anishing 1 I	î	3	6	side, glass, cach,
Mauls, Shead, Mark IV	î	1	(C. 100)	red and green.
G.S. helves, 341 inch	î	13	13	0
Chara	î	2	4	
Picketing   mallets, heelpeg	2	5	0	0+37
monn ( wayer has)	ĩ	o	121	,
pegs, picketing	ī	1	3	
Dine mood tent lance	3	3	0	
Posts, picket, 2½ feet	40	170	0	
I nicketing 66 feet	3	21	0	•
heel, large	12	12	0	
Rugs, horse, large	2	24	0	BANK BOILE BOWTH
Signalling equipment (c)		28	3	(c) See list on page
Nail puller	1	4	0	64.
Sheets, ground	41	102	8	1000 N
Shoes, horse, in boxes (with			1	
nails) sets	23	138	0	
Vice, standing, 36 lbs	1	28	0	
Wedge, sawyer's, steel, 10-in.	1	6	9	
Whip, driving	1	1	0	
Wheel, No. 200 or 200A	ī	165	0	
Supplies :				10111
Bacon	41	11	0	10 lbs. net in
		20		wrappers.
Biscult	41	63	0	41 lbs. in a case, or
Cheese	41	8	0	51½ lbs. bread in lieu. 7 11/16 lbs. net in wrapper.

# C.—G.S. Wagons—continued.

# Ammunition Column.—No. 11. Baggage, Stores and Supplies—continued.

Articles.			icles.		No.	Appr ma weig	te	Remarks.			
						l'os.	oz.				
In	тие В	0DY-	cont.								
Grocerie	es:-				10 marsh						
Must	ard				41	0	31	I oz. net in a tin.			
Pepp	er				41	0	4	1½ ozs. net in a tin.			
Salt					41	1	41	1 4½/16 lbs. net in sack with sugar.			
Suga	r		•••	***	41	9	11	7 11/16 1bs. net in a sack.			
Tea			•••		41	4	6	1 10/16 lbs, net in a			
Jam	•••				41	20	0	11 lbs, net in 1 lb tins, packed in a			
Vegeta	bles, di	ried			41	7	12	5 2/16 lbs. net in a			
Meat, p	oreserve	l	•••		41	53	0	41 rations in a case or 51½ lbs. fresl or frozen meat in lieu.			
Oats				•	47	580	0	564 lbs. net in 7 sacks of 80 lbs. net each and 1 sack of 4 lbs net.			
Load				(-6		2124	111				
G.S. v	vagon 40) (k)	equij		(cf.		1976	7	(k)Approximate only weight varies ac			
Total lo	aded G.	S. wag	on, N	o. 11		4101	21	eording to Mark. =35 cwt. about.			

# Section 8.—DATA ON WHICH THE TRANSPORT OF THE UNIT IS CALCULATED.

#### A .-- AMMUNITION.

1. Approximate amount of B.L. 60-pr. ammunition available.

Where carried.	Rounds per B.L. 60-pr. gun.	Remarks.			
WITH THE BATTERY:		263			
On the gun limber	2 (a)	(a) Only carried here when the gun has been shifted to the firing position.			
In ammunition wagons and limbers	80 (b)	(b) Two ammunition wagons and limbers per gun.			
WITH AMMUNITION COLUMN OF THE UNIT:		Pri guin			
In ammunition wagons and limbers	40 (c)	(c) One ammunition wagon and limber per gun.			
In G.S. wagons	40 (d)	(d) One G.S. wagon per gun.			
Total with field units	160				
To be maintained in parks	90	18			
To be maintained on L. of C.	250				
Total number of rounds per B.L. 60-pr. gun to be maintained in the field	500				

#### II. '303-inch ball.

50 rounds of S.A.A. are carried on the soldier for each bandolier (i.e. one bandolier per N.C.O. and man) in the unit.

#### III. Pistol ammunition.

Total with the unit (one box)	re	ounds	276
Carried by 6 officers, each 12 rounds	•••		72
Carried in regimental transport, No. 2	G.S. v	vagon	204

B.—\*TOOLS. GENERAL DISTRIBUTION.

30	Axes.		i Hooks.								d,	S.S.	
Detail.	Felling.	Pick.	Crowbars. 5 ft. 6 ins.	Bill.	Reaping, Large.	Mauls, G.S.	Saws, hand, 26 in.	Shovels, G.S.	Remarks.				
BATTERY.	_	_	_	8	_	_	8	_					
limbers	_	8	-	_	_	_	_	16					
2 G.S. wagons for tech- nical stores 2 G.S. wagons for bag-	2	2	4	2	6	12		4					
gage, stores and sup- plies Wagon, G.S., cooks Water cart	1	2 1 1	=	1 -	6	1 1	=	4 2 1					
Total with battery	5	14	4	13	12	15	8	27					
Ammunition Column.		_	-	4	_	_	4	_					
limbers	-	4	-	-	-	-	-	8					
G.S. wagons for ammunition	4	4	-	4	8	4	-	8					
G.S. wagon for technical stores G.S. wagon for bag-	1	1	1	1	2	3	-	2					
gage, stores and sup- plies	1	1	-	1	2	1	-	2					
Total with ammunition	6	10	1	10	12	8	4	20					

<sup>\*</sup> Including wagon equipment.

C.—RATIONS AND FUEL.

Detail of rations and fuel carried in the field with units, and in A.S.C. train and supply column.

	Лепатка,	(a) Packed in wooden cases not exceeding 80 lb. weight, containing 60 rations in mominal 1-lb, tins.	(b) Carried in sacks. (c) Packed in wooden cases not exceeding	(d) Packed in wooden cases containing 60 lb, bacon, not seeding 80 lb, gross weight.	the previous evening, less any portion con- burned. In the case of arms other than infaniry, this ration may be carried in the vehicle for cooks.
Iron ration.	Ilb (nominal) preserved meat, lb, biscuit, g oz. tea, 2 oz. sugar, 2 cubes (l oz.) meat extract.	1 (A)	;	ı	Z
	1 1b. (nominal preserved mea Preserved mea 1h. biscuit. \$ cox. tea. \$ cox. tea. 2 cox. sugar, 2 cubes (1 ox. meat extract.	:	:	1	
Field ration.	Tea. sugar, jam, salt, pepper, cheese and mustard and mustard Allowance Regulations).	(6)	٦	ŝ	
	Pread and meat ration.  14 lb. fresh or frozen, or 1 lb. (rounial) preserved (a) or salt meat, or salt meat, or 1 lb. bread(b), or 1 lb. biscuit (c) or flour,	(9)		S	
	×.	:		s or	
	ormall	:		cook ens	
	rried n	ler		s for g kitch	
	How carried normally.	On the soldier		In vehicles for cooks or travelling kitchens	
		On t	į	H H	

C.—RATIONS AND FUEL—continued.

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tel carried in the field with units, and in A.S.C. train and supply column—cont.	
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Detail of rations	
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	Remarks.	(/) The day's ration (except bread and cheese) issued the previous evening, less any portion consumed.  (A) Less any portion consumed of the ration	carried on the soldier and in the vehicles for cooks.  (a) A second iron ration may be carried when so ordered by the Cin-C.
Iron ration.	1 1b. (nominal) preserved meat, 1 lb. biscuit, 4-oz. tea, 2 oz. sugat, 2 cubes (1 oz.) meat extract.	1	1 (h)
	1 1b. (nominal preserved mea Pegetable ration.) 11b. biscuit. 2 oz. dried. 2 cubes su gar, gentes su gar, meat extract.	1	2 (9)
Field ration.	Grocery ration. Tea_sugar, jam, salta, pepper, cheese and mustand (as detailed in Allowance) Regulations).	1 -	2 (9)
	Bread and meat ration.  14 lb. fresh or frozen, or 1 lb. fresh or stresh (a) or salt meat, or 1 lb. or 1 lb. bread (b), biscult (c) or front (d).	1	2 (4)
	How carried normally.	In A.S.C. train or in supply column	Total

Notes.—1. No fuel will be carried normally, except for mechanically propelled vehicles and the wood of the ration boxes, which will be issued for kindling purposes, and be supplemented by fuel obtained locally.

2. A reserve park, with a carrying capacity of 2 days' iron rations will be available for use if required.

3. Fresh vegetables will be issued when available.

4. Lime juice, rum and tobacco to be issued as detailed in Allowance Regulations, but not carried normally in A.S.C. train or in supply column.

5. Rations for the day of entrainment will be carried as directed in Mobilization Regulations.

C.-FORAGE.

Detail of forage carried in the field with units, and in A.S.C. train and supply column, for each horse.

How carried.	Corn ration. 12 lb. (a)	Remarks.
On the horse	1 (b)	(a) In the case of heavy draught horses the corn ration is 15 lb.
In A.S.C. train or in supply column	1	(b) The day's ration issued the previous evening less any portion consumed.
Total	2 (c)	(c) Less any portion consumed of the ration carried on the horse.

Notes.—1. The above scale of forage is applicable to a country where hay is available.

2. A reserve park, with carrying capacity of 2 days' reserve grain, will be available for use if required.

D.—SIGNALLING EQUIPMENT FOR A HEAVY BATTERY AND AMMUNITION COLUMN. (Carried partly by the signallers and partly in G.S. wagons.)

Nore. -O.C. Battery to allot what "flags, signal, army," he considers necessary for the Ammunition Column (from the number allowed for use in the battery).

# E.—SPARE WHEELS, POLES, SWINGLETREES, ETC.

### (1) Wheels.+

The following spare wheels are carried by the ammunition column :-No.

Nos. 10 or 12 (for gun carriages)	 1	By No. 6 wagon.
Nos. 34A or 45 (for ammunition wagons).	 1	By No. 8 wagon.
Nos. 159 or 159A (G.S. wagons, fore) .		
Nos. 200 or 200A (G.S. wagons, hind) .	 1	By No. 11 wagon.

### (2) Poles.

The following spare poles are carried:-

(a) By the battery: No.
No. 18 (for ammunition wagons) ... 2 ... By ammunition wagons.

See pages 31 and 34.
2 ... By Nos. 1 and 2 G.S.

wagons.

See pages 43 and 46. No. 7A (for G.S. wagons) ... 1 ... By No. 3 G.S. wagon.

See page 49.

(b) By the ammunition column: No. 7A (for G.S. wagons) ... No. 19 (for gun limbers) ...  $\begin{bmatrix} & 1 \\ & 1 \end{bmatrix}$ By No. 10 G.S. (technical store) wagon. See page 54.

# (3) Swingletrees.

The equipment of each gun limber includes a spare swingletree, No. 12, and the equipment of each ammunition wagon and G.S. wagon includes a spare swingletree, No. 11 or 13. This provision covers the requirements of the water-cart.

### (4) Levers.

No. By Nos. 1 and 2 G.S. Levers, 12 feet wagons.

† See Note (i) on page 52.

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0

(One pannier on each technical store wagon (see pages 43 and 46) sufficient for carrying the Battery Telephone Equipment that is not carried on the man or horse.) F.-METHOD OF CARRYING "BATTERY" TELEPHONE EQUIPMENT IN THE FIELD.

Articles.	No.	On man.		Panniers.	Approximate weight of	te Remarks.
			No. 1.	No. 1. No. 2.	each.	
					lbs. ozs	8
Panniers, tool, saddlers, empty	67	:	г	1	30 0	
;	10	10(a)	:	:	6 6	Including 2 on horse-holders.
	3,4	$1\frac{4}{6}(a)$	:	:	3	Per 4-mile. On reels, cable, No. 2.
Caule, electric, D.I mues	· :	:	7	-	21 15	(a) May be carried on battery 1st
Tape, rubber tins	2.4	:	17	12	0 0	line rehicles as convenient
. 11	24	:	17	12	0	until action is impending.
:	00	8	:	;	0 13	On leg of telephonist
Cases, pins, earth	00	80	:	:	9	_
Telephone, portable, D III (each with 2						
cells) sets	15	8(*)	63	67	4 14	
	24	:	12	12	12 0	large."
Belt, waist, reel, cuble, No. 2	8	8(0)	:	:	1 8	(b) Distributed among tele-
Fliers, side-cutting, 5-inch pairs	18	(E)	:	:	9	phonists.

NOTE.—Alternative weights when the whole of the telephone equipment is packed and carried in the four panniers, tools saddlers, allowed per battery.

Page 43.—No. 1 technical store wagon { 1 pannier 56 lbs. 11½ ozs. Page 46.—No. 2 ,, ,, as for No. 1.

#### (As to prices in brackets, see top of page 2.)

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ITALIAN CAVALRY TRAINING REGULATIONS. 1911.
                ing for Marches, Tactics of Minor Units, and Training of Patrols. Translated. 4d. (3d.)
  JAMAICA. Standing Orders. 1912. 1s. (9d.)
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2. Ditto. Kit haid out for Inspection. 1903. 1d. (1d.)

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10. Ditto. Kit in Barrack Room. 1909. 2d. (2d.)

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                Artillery. Royal
               Infantry
               Infantry—

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      (As to prices in brackets, see top of page 2.)

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